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GENESIS OF THE ICC NUMBER PORTABILITY TASK FORCE

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JUN 19 1996

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY

CC 95-116

EX PARTE OR LATE FILED

- Formed as a result of ICC Order on Customers First Plan (Docket 94-0096 issued April 7, 1995): "We will adopt Staff's proposal to create an industry task force to develop a permanent number-portability solution for Illinois. We emphasize **the issue is no longer whether - but when and how - to implement number portability.**" [emphasis added]

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List ABCDE

THE ICC NUMBER PORTABILITY WORKSHOP HAD MADE SIGNIFICANT PROGRESS

- Determined the scope of the Illinois number portability implementation plan to propose to ICC
 - Which networks are included
 - What geography is included
 - Target timeframes for implementation
- Established planning principles and criteria for selecting a number portability architecture
- Selected a long-term architecture: LRN-based
- Obtained switch vendor commitment for implementation of LRN
- Formed six subcommittees to resolve key issues of implementation
 - Service Management System (SMS)--Target implementation-October 1996
 - Generic Requirements Documentation--Target Issuance - November 15, 1995
 - Rating & Billing--Use existing boundaries for initial implementation
 - Network Operations--Target Lab-to-lab LRN tests begin January 1, 1997
 - Cost Recovery, Funding, Tariffs
 - Operator Services--New committee
- Will request ICC approval of Generic Requirements Document--Target - Late November 1995

PARTICIPATING ENTITIES

- AG Communications Systems
- Ameritech
- Ameritech Cellular
- Andersen Consulting
- AT&T
- AT&T Bell Labs
- BCR
- Bell Atlantic
- Bellcore
- Bell South Cellular
- Cellular One
- Cincinnati Bell Telephone
- Citizens Utility Board
- City of Chicago
- DSC Communications
- Ericsson
- Evolving Systems
- GTE
- IBEW-165
- ICC Staff
- Illinois Consolidated Telephone Company
- ITN
- JFS Telecom Consulting
- Kern & Assoc. Consulting
- Manshio & Wallace
- Maryland Public Service Commission
- McCaw
- MCI
- MDF Associates
- MFS
- MST
- Motorola
- Nextel Communications
- NORTEL
- Pacific Bell
- Public Utilities Commission of Ohio
- Siemens-Stromberg-Carlson
- Sprint/Centel/United Telephone Company
- Stratus Computer
- TCG
- Time Warner Communication
- US Intelco
- and others...

ICC NUMBER PORTABILITY WORKSHOP IS SERVING AS A MODEL OF INDUSTRY COOPERATION AND COMMITMENT TO SUCCEED



The following states are utilizing outputs and/or process used in the workshop:

- California
- Colorado
- Florida
- Georgia
- Maryland
- Michigan
- Ohio
- Wisconsin

NUMBER PORTABILITY DEVELOPMENT

- Four documents were developed to facilitate the development of number portability:
 - ICC Staff's Number Portability Guidelines
 - ICC NP Workshop Mission Statement
 - ICC Number Portability Implementation Plan Scope
 - LNP Framework

WORKSHOP MISSION STATEMENT

- Near Term:
 - Develop, evaluate and recommend [to the ICC] a wireline service provider portability solution and propose an implementation plan which:
 - Meets the needs of MSA-1[Chicago LATA] consumers and carriers
 - Is competitively neutral
 - Is technically and economically feasible
 - Satisfactorily meets the criteria described in the LNP Framework
- Long Term:
 - Explore the desirability and feasibility of expanding wireline service provider number to provide number portability unencumbered by geography, service provider, service, or time.

REGULATORY ISSUES



- End-user Impacts
 - Ported customers
 - Non-ported customers
 - Functionality and services
 - Billing
- Network Impacts
- Non-portability capable carrier accommodation
- Non-discriminatory number portability infrastructure requirements
- Type of portability supported

REGULATORY ISSUES cont'd.

- Numbering resource impacts
- Impacts outside of the number portability area.
 - Billing, rating and routing
- Compatibility with a national standard
- Database administrator
- Architecture licensing restrictions and fees
- **Cost recovery**

ICC NUMBER PORTABILITY WORKSHOP-- PLANNING PRINCIPLES & KEY MANDATORY CRITERIA

- Plan must be nationally compatible.
 - If the FCC does set national guidelines or a national plan is selected by the FCC or industry body, the plan must be compatible.
- The call model must be expandable to wireless networks (when feasible for their networks) and must be expandable to all forms of number portability (location, service, and time), if found desirable.
 - Wireline service provider is the first priority.
- Plan must be transparent to end users.
 - Both ported and non-portable numbers must be able to originate and terminate in the participating networks and interconnecting non-participating networks.
- Plan must be reciprocal between networks.
 - Participating carriers implement the same architecture and are not disadvantaged in capabilities.
- All three forms of database triggers must be accommodated (originating, N-1, terminating).

ICC NUMBER PORTABILITY WORKSHOP-- PLANNING PRINCIPLES & KEY MANDATORY CRITERIA (Cont'd)

- The database administration will be performed by a neutral third party (similar to 800 service).
 - All participating networks must have access to the database.
- Plan should not introduce network degradation or loss in features and functions for any participating or interconnecting non-participating networks.
- Plan must use the existing network infrastructure and standards to the greatest extent possible.
- The architecture utilized cannot be proprietary or have license fees associated with it.
- Plan must accommodate and insure that 911/E911 operates properly.
- Initially, the participating carriers agree to utilize existing rating boundaries.

NEAR-TERM PORTABILITY

- Wireline service provider portability
- All carriers assign NXXs based on incumbent LEC rate centers
 - New entrant's switch may serve multiple rate centers
- Limited location portability within a rate center
- Calls will be rated based on incumbent LEC rating points for call termination

THE SELECTED CALL MODEL

- The Illinois Number Portability Solution to be proposed to the ICC will be based on the LRN (Location Routing Number) solution developed by AT&T

REQUIREMENTS DOCUMENT

- Six subcommittees have formed to identify issues and supply input into the Requirements document:
 - Service Management System Administration
 - System Development and Testing
 - Funding, Cost Recovery, and Tariffs
 - Rating and Billing
 - Operations
 - Operator Systems

SELECTION PROCESS & CRITERIA--ICC NUMBER PORTABILITY WORKSHOP

- Vendor Presentation 8/14 - 8/16:
 - AT&T, Stratus, MCI Metro, Nortel, AGCOM, Sprint*
- Vendor Q&A 8/24 - 8/31:
 - All vendors
- LNP framework criteria--22 attribute categories evaluated
 - Mandatory (35 items): Assessment of each architecture
 - Weighting factors for other items: Assessment of each architecture
- Evaluation meeting 9/7 - 9/8:
 - LNP Framework evaluation
 - Public policy guidelines impact (ICC Staff)
 - Timing factors
 - Cost factors
- Request ICC to approve Generic Requirements Document for agreeing parties--Target: late November

* At 9/7/95